

UTILITIES PLANNING

CARY

101



FORMERLY CARY SCHOOL OF GOVERNMENT

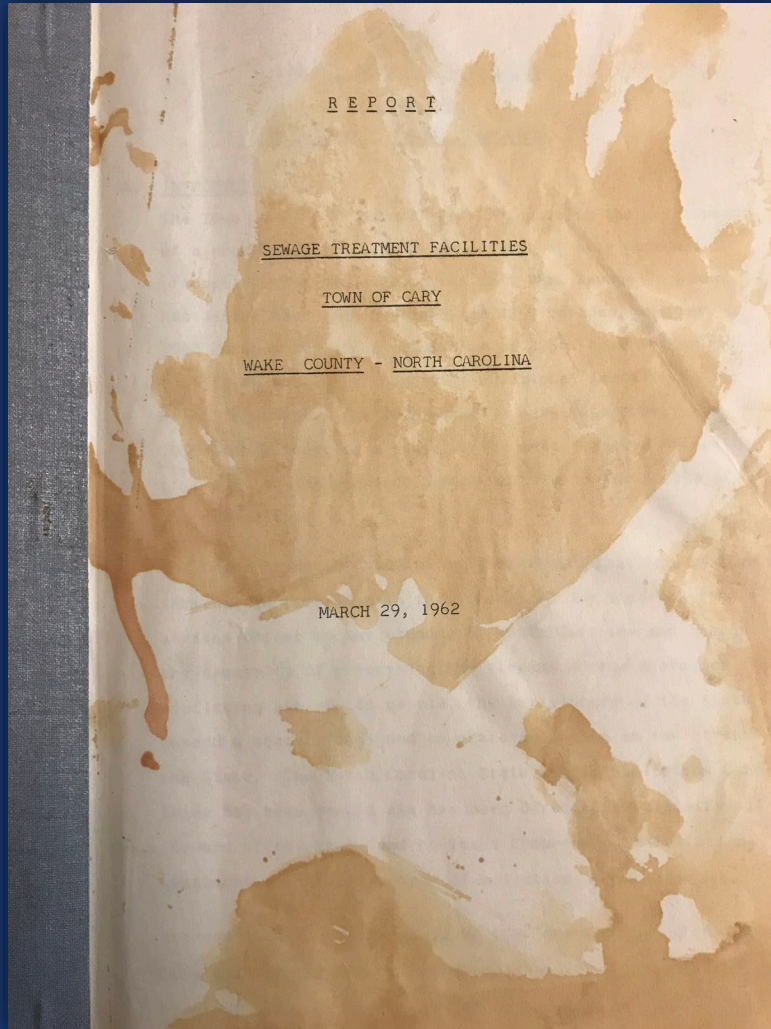


How do we know
where, what, when to
build?

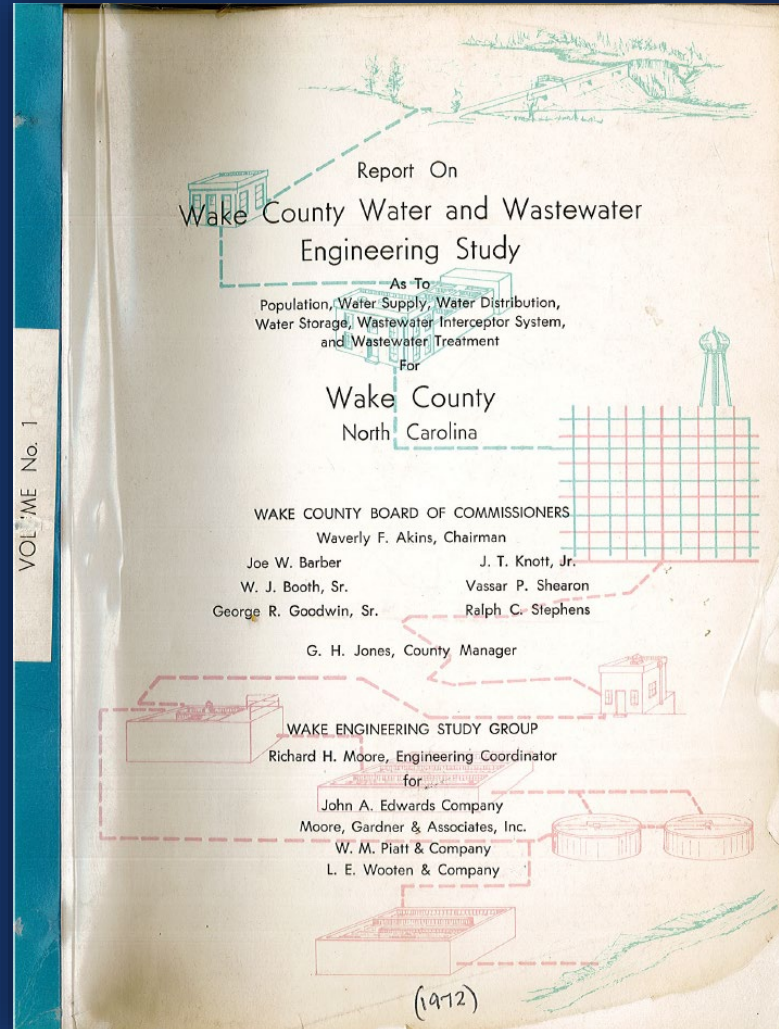
How do we know
we're ready for the
future?

Historic Master Planning

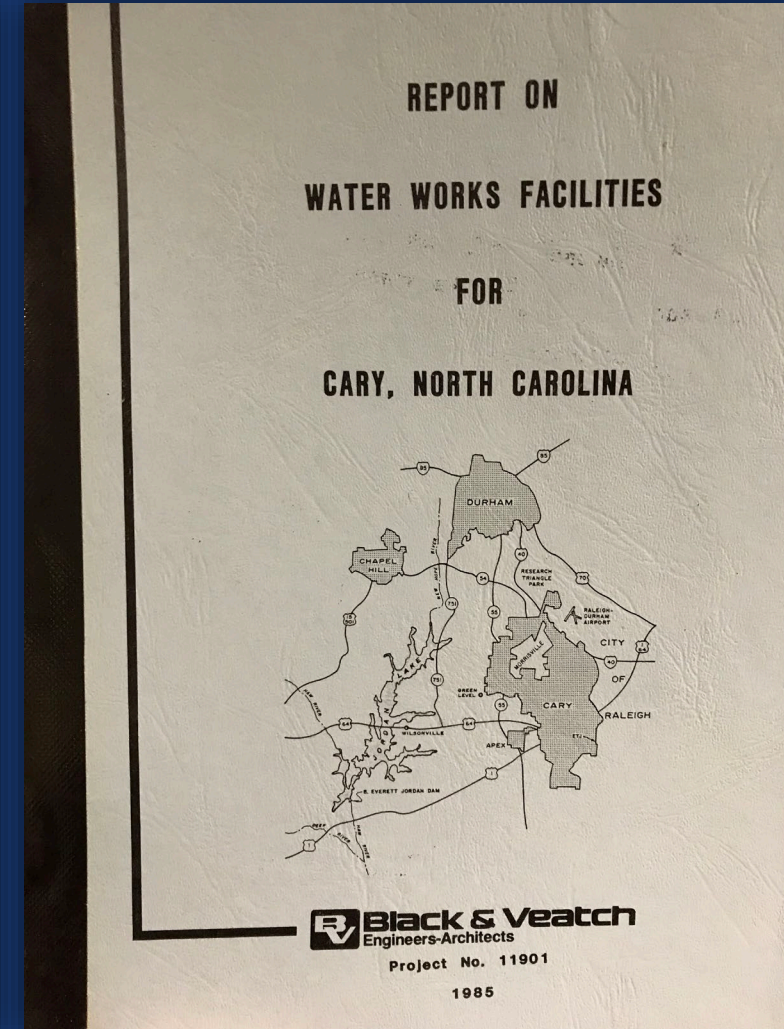
1962



1972



1985



100 years of water in 2023

REPORT ON WATER SUPPLY

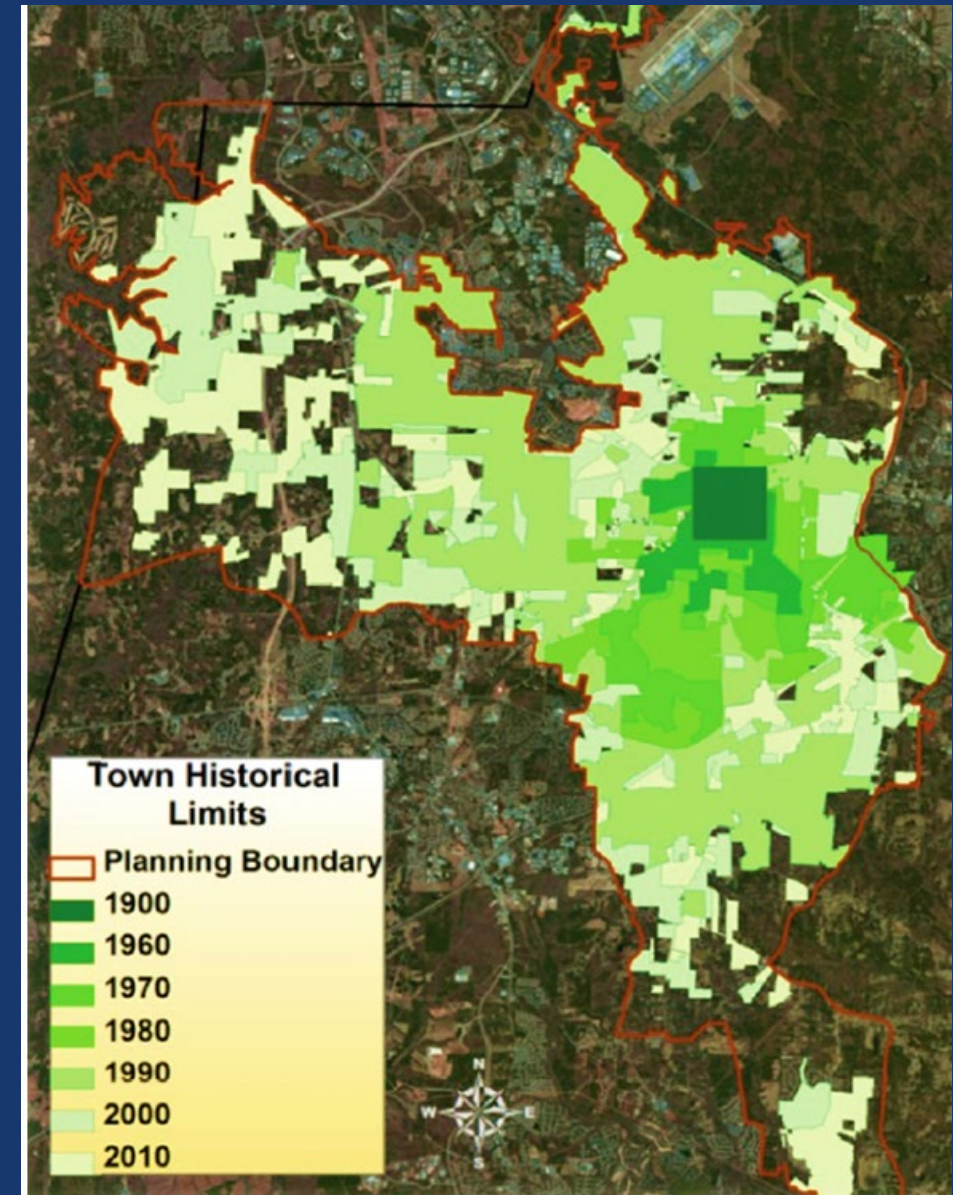
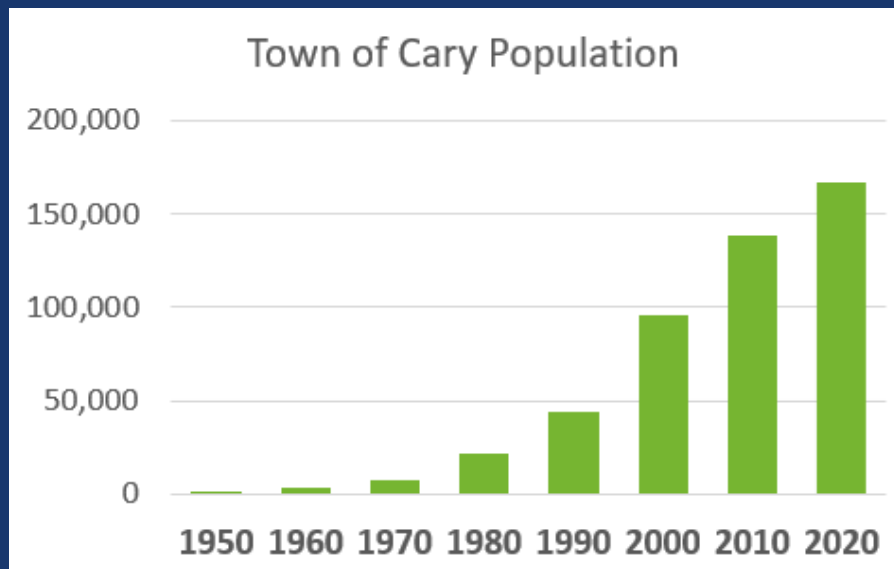
TOWN OF CARY

WAKE COUNTY - NORTH CAROLINA

I. GENERAL:

The Town of Cary has since establishment of its water system in 1923, depended entirely on ground water sources for its water supply. This ground water supply proved to be generally adequate in quantity for the Town until 1950, when a period of unusual growth of the Community started and which growth is continuing at an ever increasing strain on the Town's ability to provide an adequate quantity of water for the Town's needs.

“period of unusual growth”



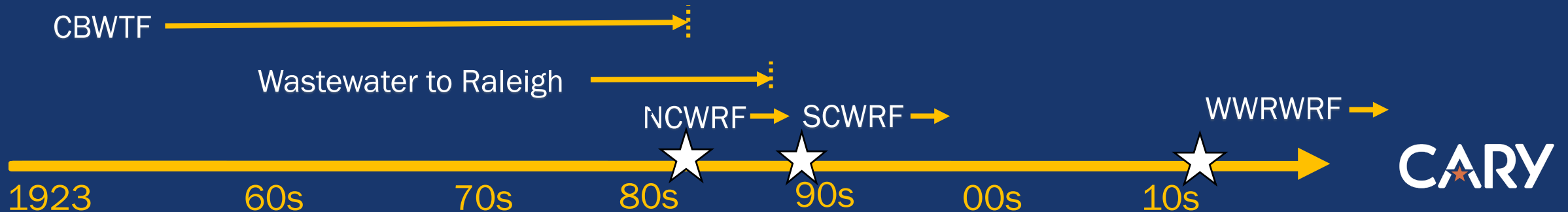
Water

- Pre-1960's - Wells
- 1960's/70's - Raleigh
- 1993 - CAWTF & Water Independence



Wastewater

- 1920's Cary's 1st Water Reclamation Facility (WRF)
 - No longer, but was near N Dixon Ave (0.1 MGD)
- 1960's-1980's - Raleigh 
- 1980's- today – Cary's 3 WRFs
 - 1983 - North Cary WRF (4 MGD, now 12 MGD)
 - 1989 - South Cary WRF (6.4 MGD, now 12.8 MGD)
 - 2014 Western Wake Regional WRF (18 MGD with expansion capacity up to 30 MGD)

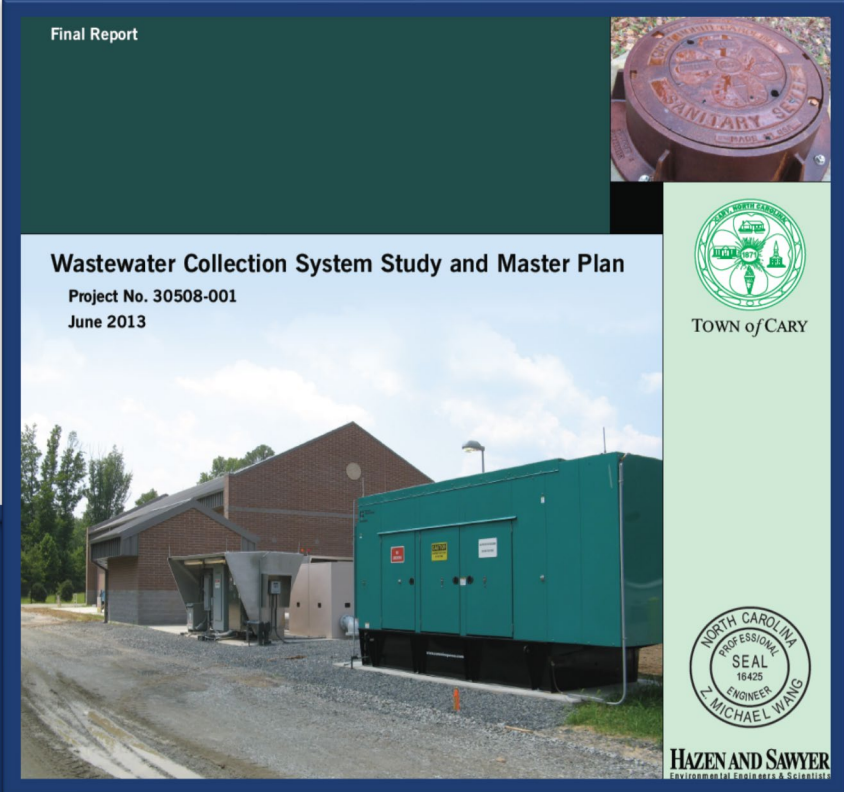


Current Master Planning

Town of Cary
Water Distribution System Master Plan
Final Report

Final Report

Wastewater Collection System Study and Master Plan
Project No. 30508-001
June 2013

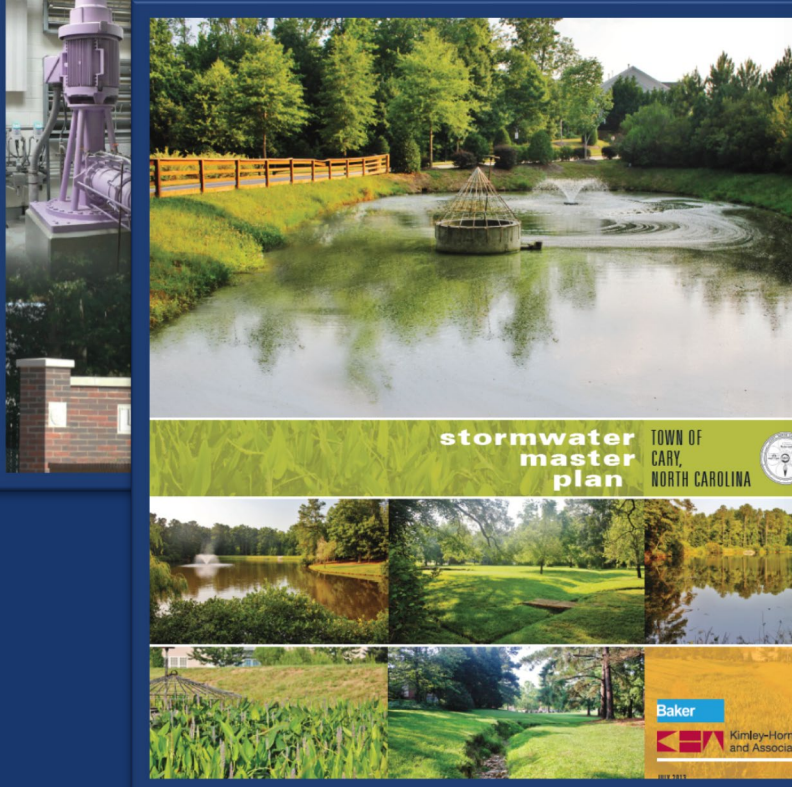


TOWN OF CARY

NORTH CAROLINA
PROFESSIONAL
SEAL
18425
ENGINEER
Z. MICHAEL WANG

HAZEN AND SAWYER
ENVIRONMENTAL ENGINEERS & SCIENTISTS

TOWN OF CARY RECLAIMED
WATER MASTER PLAN UPDATE



stormwater master plan TOWN OF CARY, NORTH CAROLINA

Baker
Kimley-Horn and Associates, Inc.

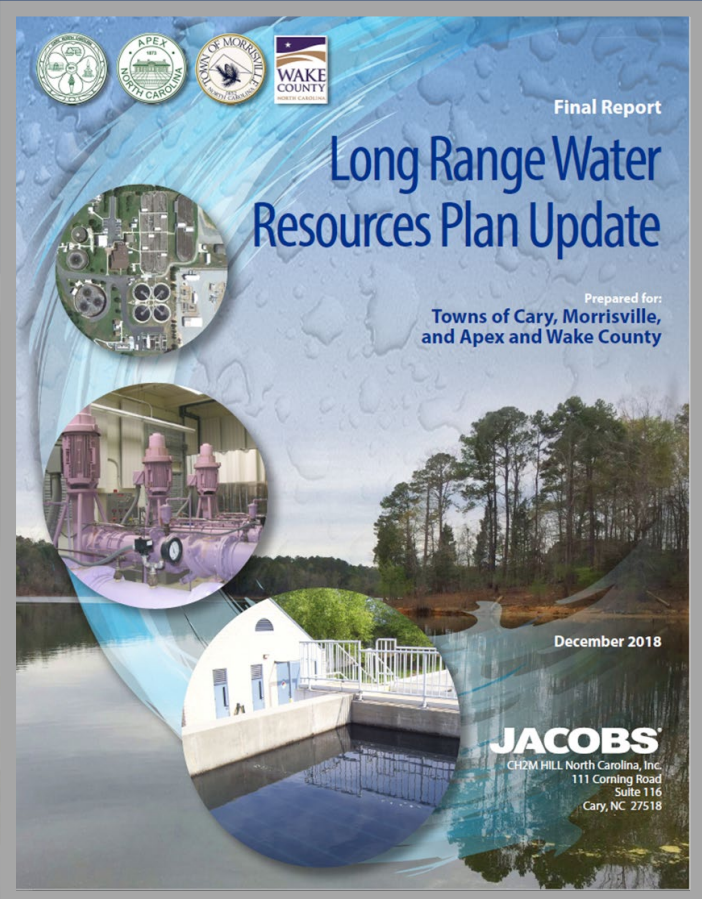
Final Report

Long Range Water Resources Plan Update

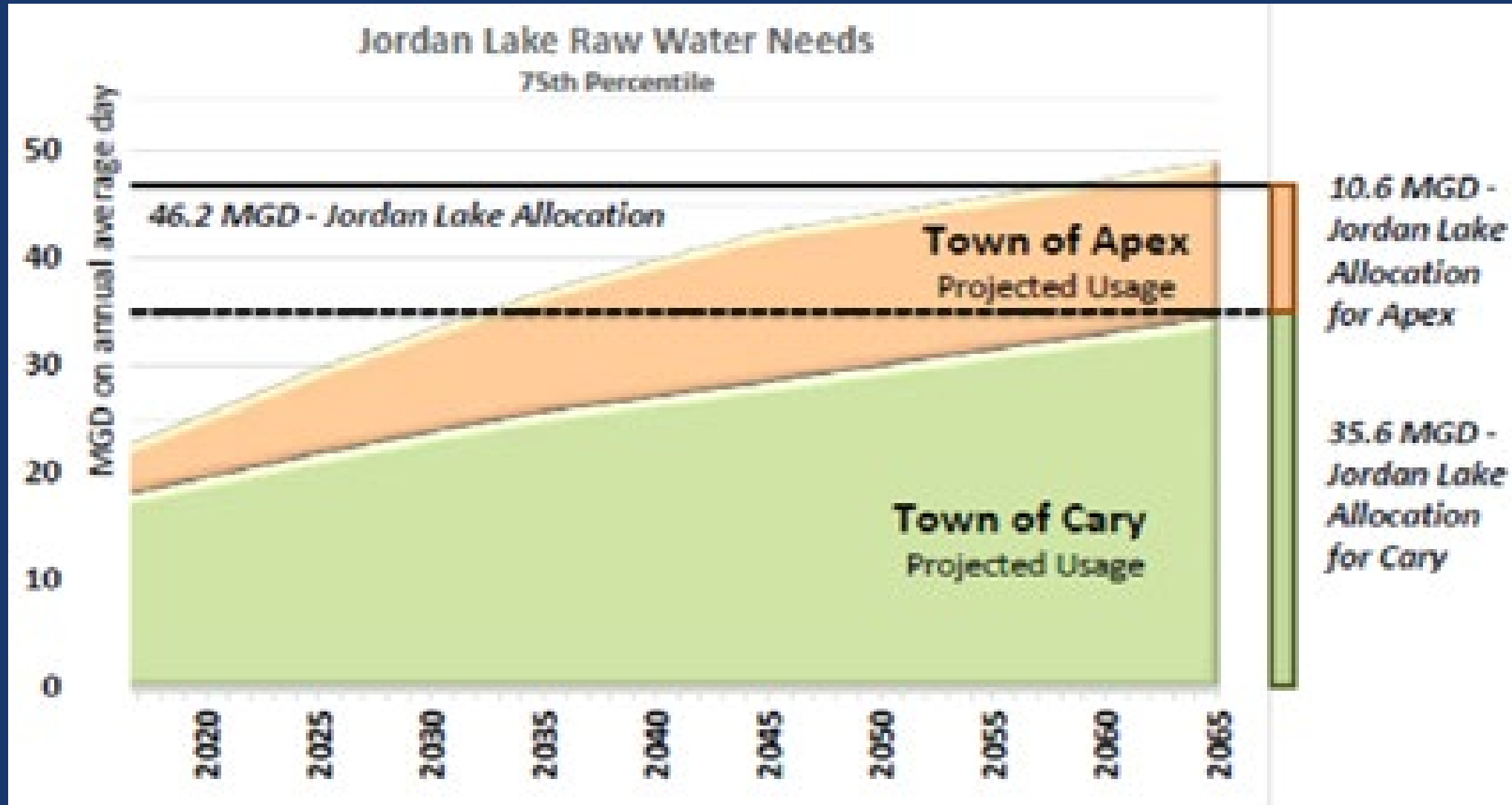
Prepared for:
Towns of Cary, Morrisville,
and Apex and Wake County

December 2018

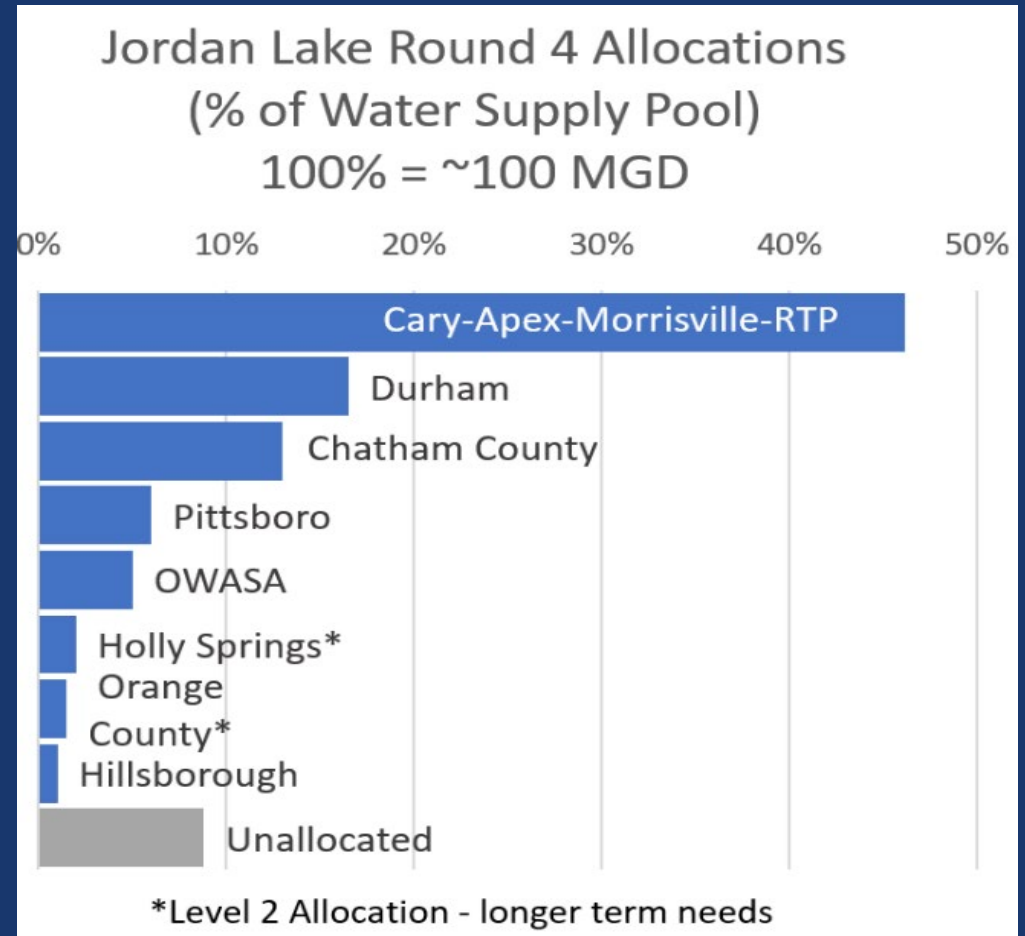
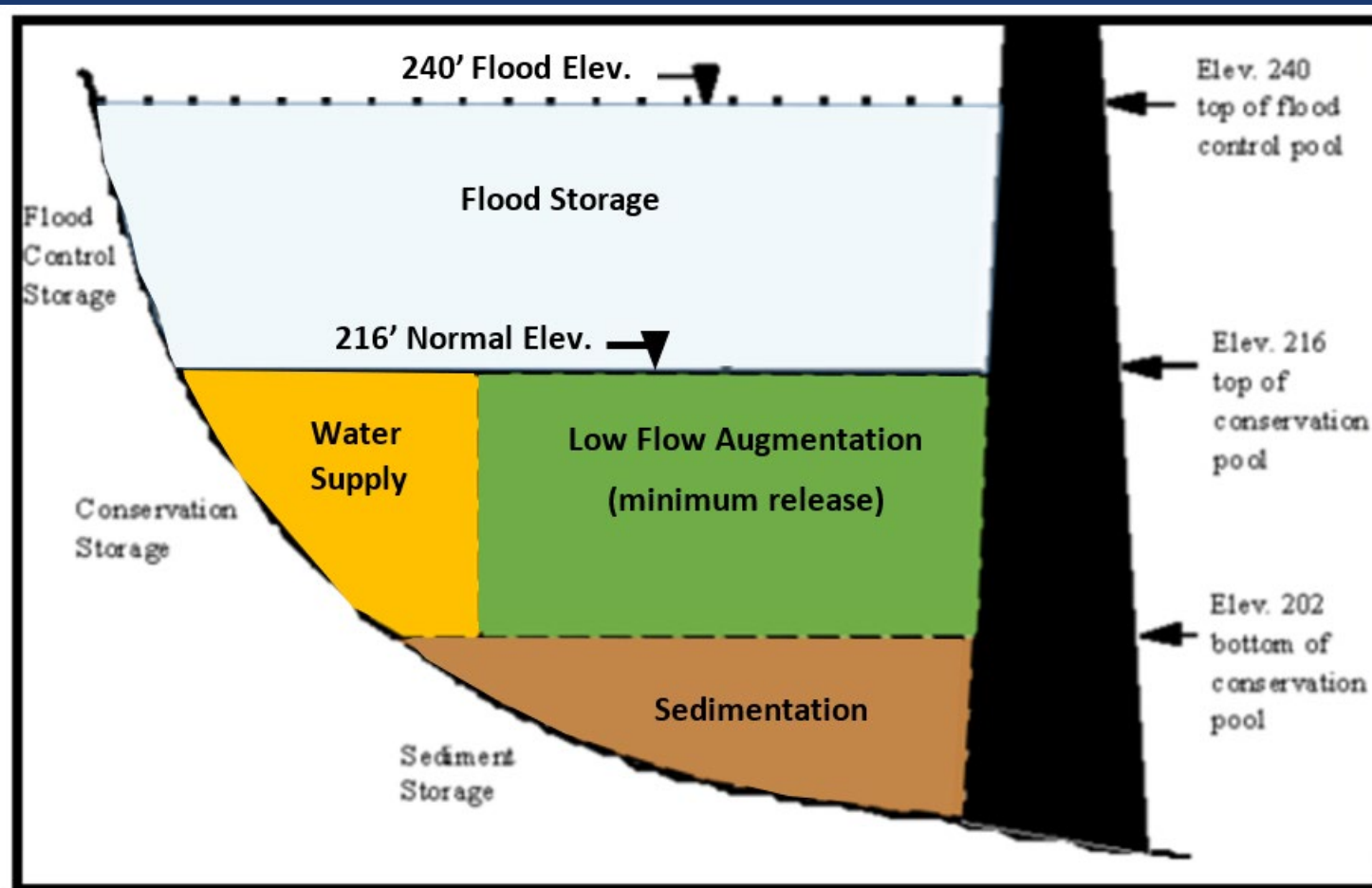
JACOBS
CH2M HILL North Carolina, Inc.
111 Corning Road
Suite 116
Cary, NC 27518

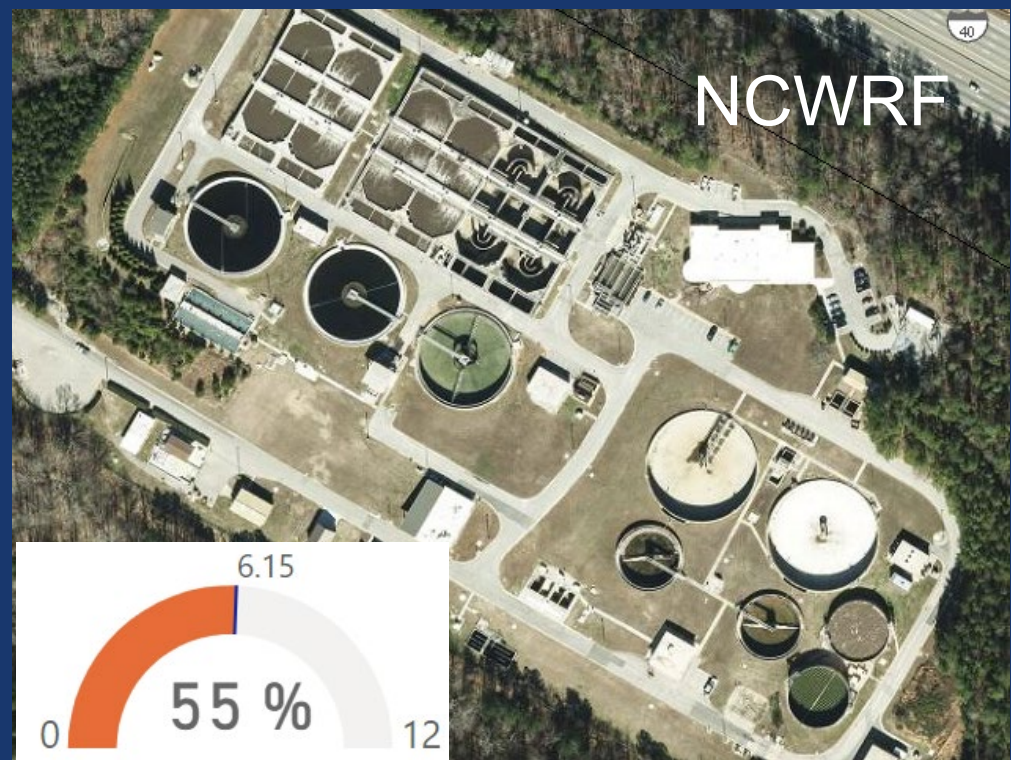


Plan for the Future



Jordan Lake – Ready for the Future





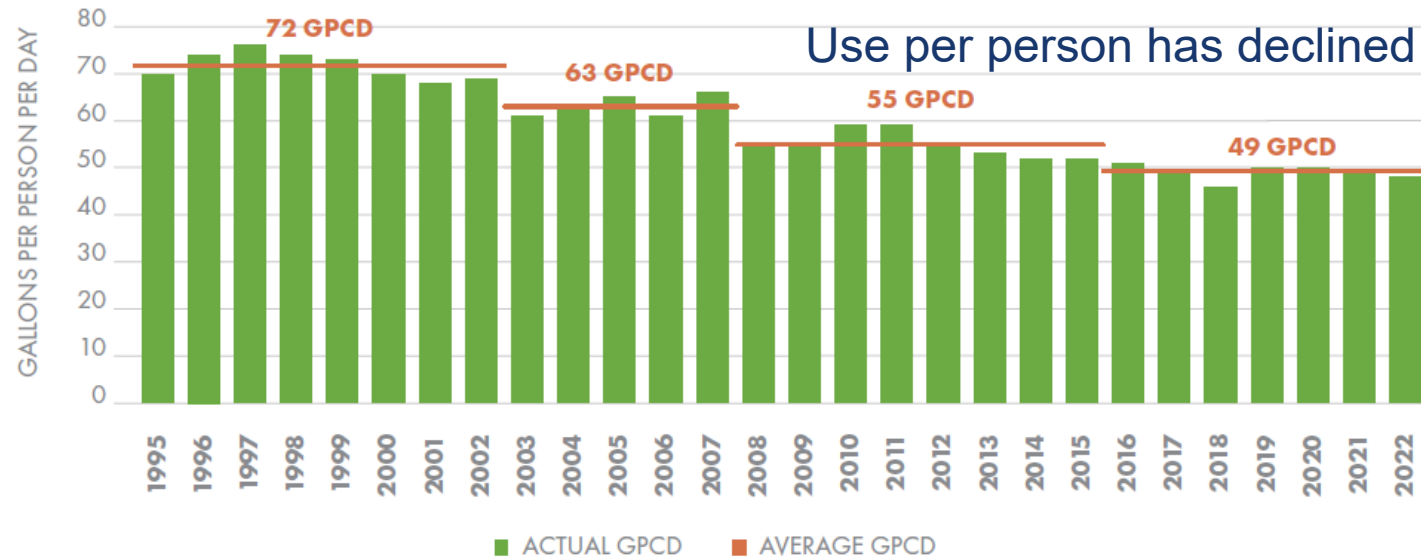
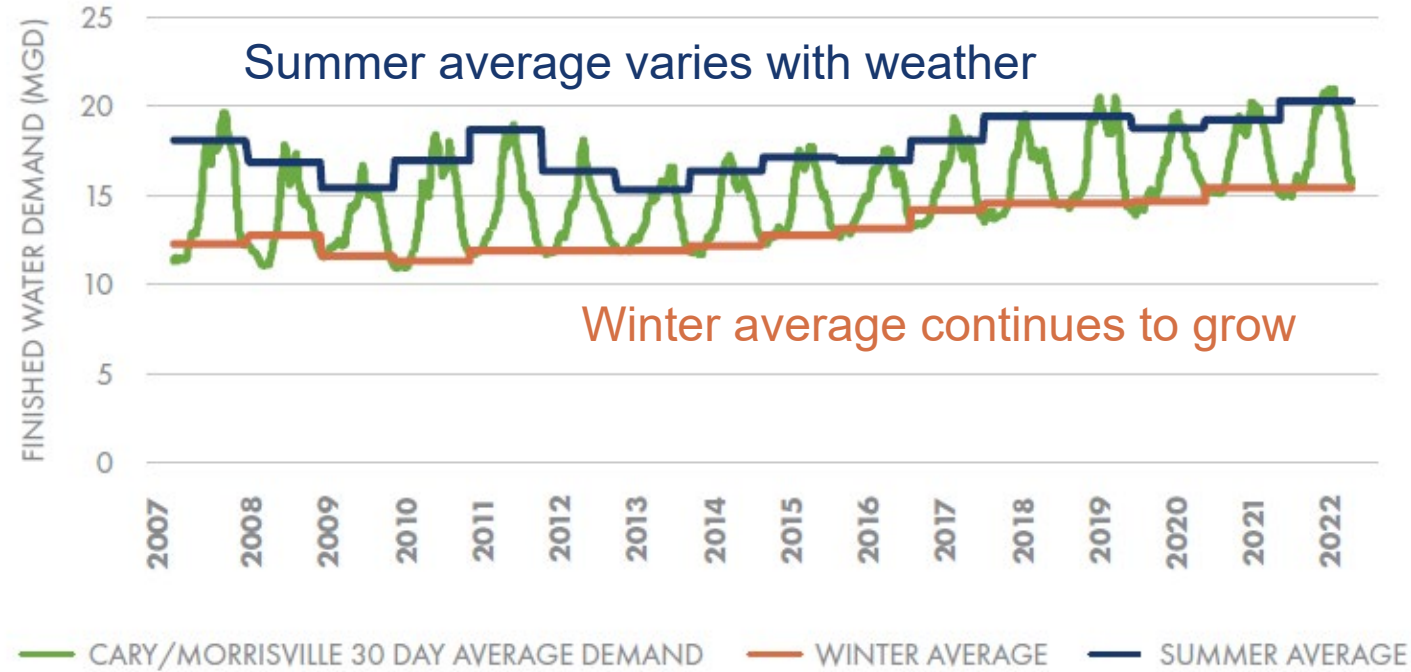
Ready for the future
 ... with room to grow

Ready For Change



Fall's Lake, Raleigh's water supply, during the 2007-2008 drought. Changes in industry standards & behavior have remained.

2022 SEASONAL TREND





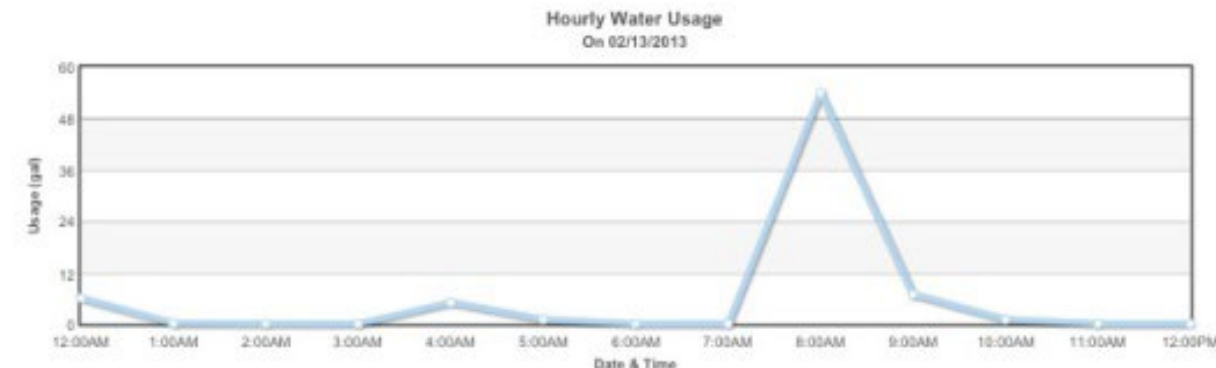
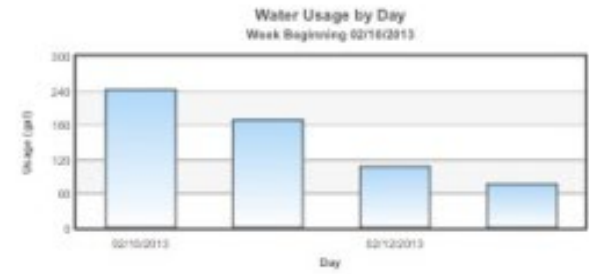
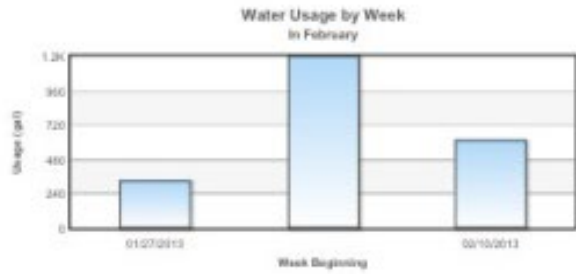
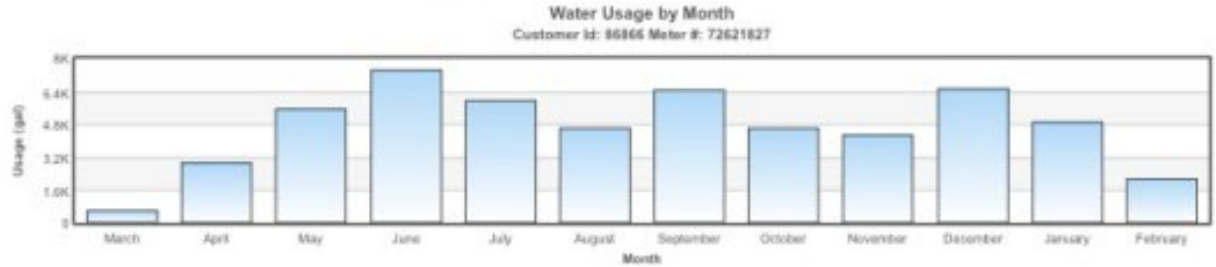
TOWN of CARY
NORTH CAROLINA

Your Water Use - Graphs | Your Water Use - Tables | Take Action | About Aquastar | Manage Your Account | Log Out

Aquastar allows you to view up to 13 months of your water consumption data.

Get Started

Hover your mouse over the bars in the graphs to see your consumption in gallons or select one of the bars to get more information about your usage for that period. Need more help? Check out our [how to guide for using Aquastar](#).



- Track your use to the hour
- Set alerts for high-use



Verizon LTE 5:17 PM 67%

[Inbox \(319\)](#)

From: [utilityaccounts@t...](#) > Hide

To: [Finance](#) >

Gallon Alert for 72621827 - Water Meter
January 23, 2014 at 3:59 AM

Hello,

You requested the Town notify you when your water usage exceeded 50.0 gallons per day. Yesterday, your actual usage was 109.00 gallons.

Please sign into the [Aquastar web portal](#) if you would like to view your usage or to update your alert

Utilities is about **more than just water...**

- exceptional **environmental protection**
- being a good **neighbor**
- resource **recovery** and beneficial **reuse**
- infrastructure investment for **future generations**



Thank you for coming!



Check out
our Virtual
Tours!